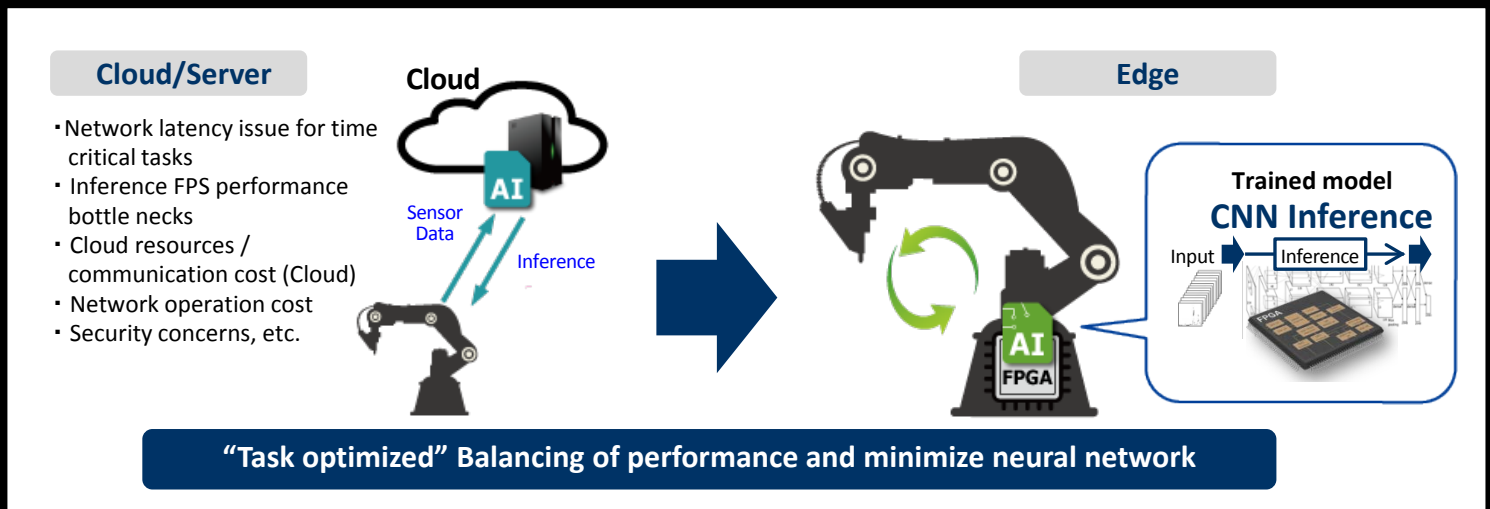


“AI-ON-FPGA” Accelerate Edge AI Enabling

“AI + FPGA” = enabling Edge-AI = minimize latency

Deep Learning accelerates AI accuracy leap on Object recognition, Error detection, and other image processing AI tasks. And now, several business situations are under consideration to use AI power. However, to realize, it is required that large-scale computing resources such as server system with GPGPU cards, HPC, Cloud computing, etc. Also, a large amount of cost is required. At the same time, cloud-based AI processing has latency issue for mission-critical tasks. Edge-AI can be minimized the latency, and enabling machine speed level AI task processing.

FUJISOFT offers the “Edge-AI” solution by AI implementation into FPGA. And it makes the breakthrough the previous requirements. FPGA based Edge-AI can be enabling business efficiency improvements on image processing in case of the embedded segment. “FPGA + AI” has advantages on high-performance processing with low power consumption. And also, it makes BOM minimizing and Cost elimination of cloud resources & communication fee for AI operation. FUJISOFT offers Edge-AI implementation consulting services as well for your product “Edge-AI” ready.

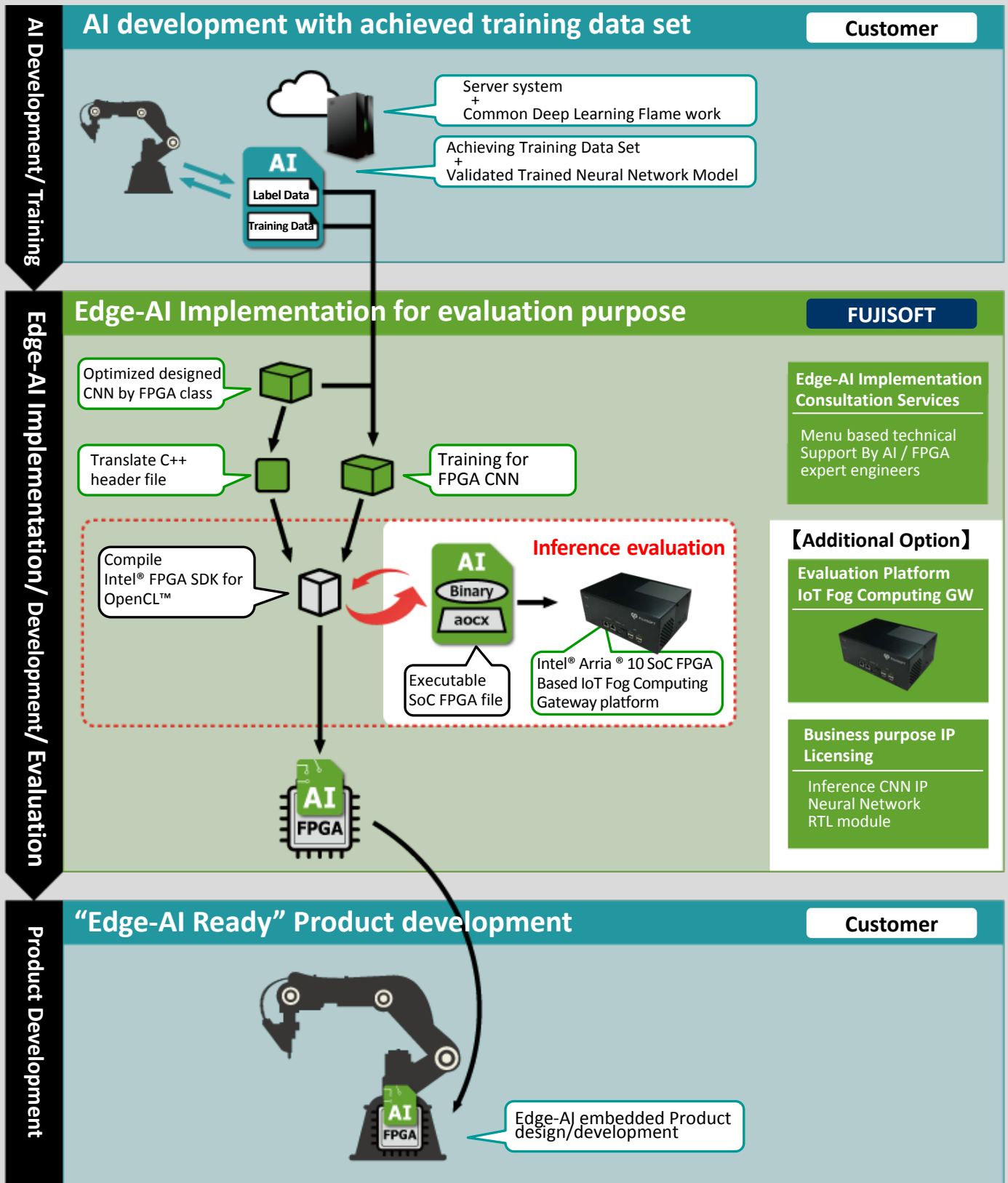


“AI-ON-FPGA” accelerates AI implementation into your products as Edge-AI Ready.
“AI-ON-FPGA” is Edge-AI Implementation Platform, composes of 3 key parts,
1)Edge-AI Implementation Consultation Services, 2)IoT Fog Computing Gateway as evaluation target HW and 3)AI Business licensing.

- 1) Edge-AI Implementation Consultation Services: For helping your Edge-AI development, FUJISOFT makes engineering consultation for implementing your AI into SoC-FPGA based on technical support menu. FUJISOFT offers technical consultation based on support menu, like as basic phase: the implementation possibility with technical consideration report, and as engineering work: making executable evaluation model on SoC-FPGA board, and as Edge-AI optimization phase: improving precision, faster inference processing, minimize code size, etc.
- 2) IoT Fog Computing Gateway: Arria10 SoC-FPGA based high-performance HW platform(BOX type) helping Edge-AI development, evaluation, and POC building at once.
- 3) Business use IP licensing: FUJISOFT delivers Edge-IA IP for your business use and/or production. And also RTL module enabling & licensing.

FUJISOFT Edge-AI Implementation Consultation Services Flow

The introduction of AI on business causes a great expense, so, prior planning and verification of AI usage & effectiveness are very important. And it is expected several disciplines expert knowledge & experiences for a better offering. FUJISOFT Edge-AI implementation Consultation Services supports your Edge-AI development with our AI and FPGA expert engineering staffs.



www.fsi-embedded.jp/product/fsi/edge-ai-consultation/

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